



# HP ProLiant DL385p Gen8 Server

Flexibility to future-proof your infrastructure



## Performance and flexibility that mean business

### The HP ProLiant DL385p Gen8 server is purpose-built to:

- Redefine the customer experience through user-inspired design features, lifecycle automation, and workload optimization
- Deliver peace of mind with enhanced reliability, quick serviceability, and industry-leading manageability
- Deliver performance and efficiency for a leading return on investment
- Enhance configuration flexibility to future-proof your infrastructure

The cloud era is driving an insatiable demand for applications, data, and digital content. IT organizations, regardless of their immersion in cloud technologies, need to plan for virtualization, database, and high-performance workloads while ensuring the fastest possible ROI. They need to invest in technology that will help them adapt to changing environments, offer configuration flexibility, reduce downtime, and future-proof their infrastructure.

The all-new HP ProLiant DL385p Gen8 is specifically designed to meet these new and emerging realities, whether for small and medium-sized businesses or large enterprise data centers. Now available with the AMD Opteron 6300 Series processor, the DL385p Gen8 delivers a major boost in price/performance. The DL385p Gen8 offers extreme configuration flexibility, while delivering extraordinary compute power, and market-leading efficiency. It is ideal for customers across a broad range of computing environments, including customers with virtualization, database, and high-performance computing workloads.



## Performance that matters with the freedom of flexibility [HP ProLiant DL385p Gen8 Demo](#)

### What's new

The HP ProLiant DL385p Gen8 Server is built to protect your investment and extend server life with reliability, accessibility, and serviceability features designed in. New features include:

- Up to two AMD Opteron 6300 Series Processors: provides greater performance for high-performance computing and 2X the cores for more virtual machines per box for better virtualization.
- 50 percent more memory capacity over the previous generation: larger 32 GB DIMMs and improved performance with up to 1,600 MHz memory speeds.
- More I/O throughput: up to six available PCI-Express expansion slots with risers supporting x16, x8, and x4 solutions.
- New HP Smart Array P420i (with FBWC): combines with the new HP SmartDrive carrier design to offer intuitive status conditions, better protection, improved performance, capacity, manageability, and reduced downtime.
- New HP iLO Management Engine (iLO 4): provides a lifecycle approach to managing your server, from initial deployment, to daily management, service alerting, and remote support.
- HP FlexibleLOM technologies: offer you a choice in networking with 1 or 10 Gb NICs, CNA, SFP+, FCoE or InfiniBand, at purchase or in the future.
- Improved serviceability: redesigned baffle, fan cage, cabling solution, and riser assembly.
- HP FlexibleLOM allows you to customize server networking now while giving you the flexibility to meet future needs without having to overhaul hardware. Choose the bandwidth (1G and 10G) and fabric (Ethernet, FCoE, InfiniBand) that suit your needs. Wake-on-LAN (WOL) support and a shared iLO port for ease of use.

## Key features and benefits

### Redefining the customer experience

- User-inspired design features that anticipate your needs and virtually eliminate common issues that result in downtime. HP SmartDrive carriers, "Easy Install rails" rails, and easy tool-less access to all customer-serviceable components enhance user experience.
- Integrated Lifecycle Automation, an industry first, provides intelligent, embedded provisioning tools.
- The HP Active Health System provides 24x7 continuous health monitoring, 100% configuration change logging, and faster problem analysis and resolution with HP Service and Support. Start problem analysis 5X faster using unified diagnostic tools with secure data transfer to HP Service and Support.
- Dynamic Workload Acceleration delivers smarter data protection for rapidly increasing drive capacities. Real-time workload-aware analysis optimizes and adapts storage performance and provides 6X faster solid state performance vs. previous generation.

### Flexible, configurable design for return on investment

- Unmatched performance, quality, and manageability with HP SmartMemory, support for RDIMM, UDIMM and LRDIMM with speeds up to 1600 MHz and capacities up to 768 GB.
- Increased storage capacity, performance, and protection with the new embedded Smart Array P420i RAID controller, with up to 2 GB of HP Flash Backed Write Cache. HP SmartDrive and the enhanced flexibility of multiple drive cage offerings (8, 8+8, and 25 SFF; or 8 LFF or 12 LFF cages) to meet your specific workload needs.

### Performance, efficiency, and easy access

- The AMD Opteron 6300 Series processor is the world's first and only 16-core x86 server processor with the highest core density. The result is incredible scalability for handling multi-threaded workloads such as cloud computing, virtualization, high-performance computing and databases.
- Boost efficiency with the industry's first 3D array of temperature sensors that help precisely control server fans to direct cooling where it's needed most, reducing unnecessary fan power.
- High efficiency HP Common Slot Platinum Plus (94% efficiency) power supplies combined with automated power provisioning.
- ENERGY STAR® qualified server configurations demonstrate HP's ongoing commitment to helping customers conserve energy and save money.
- Easier assembly and access with universal tool-free sliding rails, quick release levers, and streamlined cabling solution.

## HP ProLiant DL385p Gen8 Server specifications



<b>Drive description</b>	Choice between: 8 SFF SAS/SATA/SSD 16 SFF (8, +8) SAS/SATA/SSD 25 SFF SAS/SATA/SSD 8 LFF SAS/SATA 12 LFF SAS/SATA	
<b>Supported drives</b>	Smart Carrier Drives only Hot plug SFF 2.5 inch SAS/SATA/SSD Hot plug LFF 3.5 inch SAS/SATA	
<b>Processor cache</b>	16 MB (2x8 MB) L3	
<b>Available processor</b>	16-core processors AMD Opteron 6386 SE (2.8 GHz/16-core/16 MB/140 W) processor AMD Opteron 6380 (2.5 GHz/16-core/16 MB/115 W) processor AMD Opteron 6378 (2.4 GHz/16-core/16 MB/115 W) processor AMD Opteron 6376 (2.3 GHz/16-core/16 MB/115 W) processor AMD Opteron 6366 HE (1.8 GHz/16-core/16 MB/85 W) processor	12-core processors AMD Opteron 6348 (2.8 GHz/12-core/16 MB/115 W) processor AMD Opteron 6344 (2.6 GHz/12-core/16 MB/115 W) processor 8-core processors AMD Opteron 6328 (3.2 GHz/8-core/16 MB/115 W) processor AMD Opteron 6320 (2.8 GHz/8-core/16 MB/115 W) processor Quad-core processors AMD Opteron 6308 (3.5 GHz/4-core/16 MB/115 W TDP) processor
<b>Processor number</b>	1 or 2	
<b>Memory slots</b>	24 DIMM slots	
<b>Memory maximum</b>	768 GB	
<b>Memory type</b>	DDR3	
<b>Memory protection features</b>	Advanced ECC Online spare	
<b>Network controller</b>	HP FlexibleLOM (with 4x1 Gb and 2x10 Gb options)	
<b>Storage controllers</b>	Smart Array P420i (with options for 512 MB, 1G, and 2G FBWC)	
<b>Expansion slots</b>	PCIe Rise #1 Slot 1: 1 FL/FH X16 PCIe 2.0 Slot 2: 1 HL/FH X8 PCIe 2.0 Slot 3: 1 HL/FL X8 PCIe 2.0	PCIe Riser #2 (requires 2nd processor) Slot 4: 1 FL/FH X16 PCIe 2.0 Slot 5: 1 HL/FH X16 PCIe 2.0 Slot 6: 1 HL/FH X8 PCIe 2.0
<b>Remote management software</b>	HP Integrated Lights-out Management Engine—iLO ME (standard)	
<b>Form factor chassis</b>	Rack	
<b>System fans features</b>	6 on all 2P/dual processor models; N+1 redundancy standard 4 on all 1P/single processor models; N+1 redundancy standard	
<b>Power supply type</b>	1-2 HP 460W, 750W or 1200W Power supply (Up to 96% efficient)	
<b>Graphic card</b>	Integrated Matrox G200 video standard	

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**Full configuration form factor** 2U

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**Warranty standard statement** Global Limited Warranty, 3yr parts, 3yr labor, 3yr onsite

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\* Supports AMD Opteron 6200 and 6300 series processors

### For more information

View the HP ProLiant DL385p QuickSpecs  
[h18000.www1.hp.com/products/quickspecs/14329\\_div/14329\\_div.html](http://h18000.www1.hp.com/products/quickspecs/14329_div/14329_div.html)

For information on HP Qualified Options, visit  
[hp.com/go/hpqq](http://hp.com/go/hpqq)

Unlock your server's capacity with HP StoreVirtual VSA and gain fully-featured shared storage for your applications right on your server  
[hp.com/go/freeVSA](http://hp.com/go/freeVSA)

View the HP/AMD Microsite  
[hp.com/go/proliant/amd](http://hp.com/go/proliant/amd)

Customize your IT lifecycle management, from acquisition of new IT, management of existing assets, and removal of unneeded equipment  
[hp.com/go/hpfinancialservices](http://hp.com/go/hpfinancialservices)

Customize hardware to your exact specifications in the factory:  
[hp.com/go/factoryexpress](http://hp.com/go/factoryexpress)

## Ideal environment

If your business operation plans on meeting the growing demand for applications, data, and digital content, then you'll want to future-proof your infrastructure while getting a quick return on investment. The HP ProLiant DL385p Gen8 offers unprecedented configuration flexibility to suit a wide range of customer sizes and compute environments, including virtualization, database, and high-performance computing workloads. As part of the HP Generation 8 server line, the DL385p delivers unmatched performance/price, efficiency, and scalability.

## Customer Technical Training

Gain the skills you need with ExpertOne training and certification from HP. With HP ProLiant training, you will accelerate your technology transition, improve operational performance, and get the best return on your HP investment. [hp.com/learn/proliant](http://hp.com/learn/proliant)

## HP Services

HP Technology Services offers a set of consultancy, deployment, and support solutions designed to meet the life-cycle needs of your IT environments. Choose the type and level of service that is most suitable for your business needs. New to this portfolio is HP Collaborative Support. This service offers a single point of contact for server problem diagnosis, hardware problem resolution, and basic software problem diagnosis, as well as fault isolation, and resolution if available to HP.

All service options include HP Insight Remote Support for secure remote monitoring, diagnosis, and problem resolution.

For more information please visit: [hp.com/services/proliant](http://hp.com/services/proliant).

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